

Office Use Only

Name: _____ Social Security # _____

Transcript Review Worksheet

Endorsement # 9-10 – Design and Technology Education

Instructional Level: Grade 5-12

The holder is authorized to teach design and technology education in grades 5-12.

Additional Requirements: An experience (paid or unpaid) applying design and engineering processes to the solution of a problem, including the manipulation of materials to make and test a prototype

In order to qualify for this endorsement, the candidate shall demonstrate the following:

Content Topic	College/ University	Course Number	# of Credits	Course Title
Development of Technological Thinking:				
Typical misconceptions or naïve ideas about technology held by early to late adolescents				
Foundations:				
Applications of design and engineering processes to the solution of problems;				
The evolution of technology, including the historical relationships of science, mathematics, and technology				
Social, economic, cultural, and political roles and responsibilities of scientists, engineers, and technologists				
Technology Content Areas:				
The applications of technology in various areas including communications, construction, manufacturing, transportation, energy, health, and biotechnology;				
Working knowledge of a variety of tools and machines and their proper uses and applications in designing and making solutions;				
Properties and nature of a variety of natural and synthetic materials and their appropriate applications;				

Content Topic	College/ University	Course Number	# of Credits	Course Title
Processes involved in the extraction, distribution, processing, and disposal of natural resources				
Outputs and Impacts:				
Ethical and practical issues related to control of the outputs and impacts of our expanding technological activities in various economic sectors				
Curriculum and Instruction:				
Instructional strategies and methods for technology education				
Equity issues and strategies in technology education				
Additional Requirements:				
An experience (paid or unpaid) applying design and engineering processes to the solution of a problem, including the manipulation of materials to make and test a prototype				